the fluid through the leakages, a segmentor for segmenting the sensed vibrations least two spectral bands, into at comparitor for comparing the amplitudes of the spectral bands with predetermined values to determine flow rate.

Please add new claims 15-17 as follows:

A.V

(New) Apparatus as claimed in claim 13 wherein the sensor includes a piezo-electric material.

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- 16. Apparatus as claimed in claim 15 wherein the sensor includes a PVDF film.
- Apparatus as claimed in claim 15 wherein the $\frac{233504}{}$ sensor comprises one of a train gauge, geophone or hydrophone. Roy